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## RAW SEQUENCE LISTING

DATE: 11/06/2002

PATENT APPLICATION: US/09/733,368A

TIME: 14:12:17

Input Set : A:\394A\_US.txt

Output Set: N:\CRF4\11062002\I733368A.raw

3 <110> APPLICANT: ARIAD Gene Therapeutics, Inc.  
 5 <120> TITLE OF INVENTION: Methods of High Level Expression of Genes in Primates  
 7 <130> FILE REFERENCE: 394A US  
 9 <140> CURRENT APPLICATION NUMBER: 09/733,368A  
 C--> 10 <141> CURRENT FILING DATE: 2001-02-21  
 12 <160> NUMBER OF SEQ ID NOS: 14  
 14 <170> SOFTWARE: PatentIn version 3.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 648  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: vector-RSV promoter-vector  
 24 <220> FEATURE:  
 25 <221> NAME/KEY: promoter  
 26 <222> LOCATION: (1)..(648)  
 27 <223> OTHER INFORMATION: vector/RSV promoter/vector  
 30 <400> SEQUENCE: 1  
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 33 gctctgatgc cgcatagtta agccagtatc tgctccctgc ttgtgtgttg gaggtcgctg 120  
 35 agtagtgccg gagcaaaatt taagctacaa caaggcaagg cttgaccgac aattgcatga 180  
 37 agaacttgct taggggttagg cgttttgccc tgcttcgcga tgtacgggcc agatattcgc 240  
 39 gtatctgagg ggactagggt gtgttttaggc gaaaagcggg gcttcggttg tacgcgggta 300  
 41 ggagtgccct caggatatag tagtttcgct tttgcatagg gagggggaaa tgtagtctta 360  
 43 tgcaatactc ttgtagtctt gcaacatggt aacgatgagt tagcaacatg ccttacaagg 420  
 45 agagaaaaag caccgtgcat gccgattggt ggaagtaagg tggtagcatc gtgccttatt 480  
 47 aggaaggcaa cagacgggtc tgacatggat tggacgaacc actaaattcc gcattgcaga 540  
 49 gatattgtat ttaagtgcct agctcgatac aataaacgcc atttgaccat tcaccacatt 600  
 51 ggtgtgcacc tccaagctgg gtaccagctg ctagcaagct tgagatct 648  
 54 <210> SEQ ID NO: 2  
 55 <211> LENGTH: 31  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Artificial  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: cloning oligo  
 62 <220> FEATURE:  
 63 <221> NAME/KEY: misc\_feature  
 64 <222> LOCATION: (1)..(31)  
 65 <223> OTHER INFORMATION: cloning oligo  
 68 <400> SEQUENCE: 2  
 69 gctagcaagc ttgagatctg ccgctcgagg c 31  
 72 <210> SEQ ID NO: 3  
 73 <211> LENGTH: 26

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74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: cloning oligo
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (1)..(26)
83 <223> OTHER INFORMATION: cloning oligo
86 <400> SEQUENCE: 3
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90 <210> SEQ ID NO: 4
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92 <212> TYPE: DNA
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96 <223> OTHER INFORMATION: cloning oligo
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
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101 <223> OTHER INFORMATION: cloning oligo
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109 <211> LENGTH: 29
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113 <220> FEATURE:
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118 <222> LOCATION: (1)..(29)
119 <223> OTHER INFORMATION: cloning oligo
122 <400> SEQUENCE: 5
123 cgaggtcgac cagcgcgtcat gtttgacag 29
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128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial
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134 <220> FEATURE:
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136 <222> LOCATION: (1)..(648)
137 <223> OTHER INFORMATION: MluI/RSV promoter/BglI
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143 gctctgatgc cgcatagtta agccagtatc tgctccctgc ttgtgtgttg gaggtcgtg 120
145 agtagtgcg gagcaaaatt taagctacaa caaggcaagg cttgaccgac aattgcatga 180
147 agaatctgct tagggttagg cgttttgcg tgcttcgcga tgtacgggcc agatattcgc 240

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149 gtatctgagg ggactagggt gtgtttaggc gaaaagcggg gcttcgggtg tacgcggtta 300
151 ggagtcacct caggatata tagtttcgct tttgcatagg gagggggaaa ttagtctta 360
153 tgcaatactc ttgtagtctt gcaacatggt aacgatgagt tagcaacatg ccttacaagg 420
155 agagaaaaag caccgtgcat gccgattggt ggaagtaagg tggtagcatc gtgccttatt 480
157 aggaaggcaa cagacgggtc tgacatggat tggacgaacc actaaattcc gcattgcaga 540
159 gatattgtat ttaagtgcct agctcgatac aataaacgcc atttgaccat tcaccacatt 600
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165 <211> LENGTH: 53
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167 <213> ORGANISM: Artificial
169 <220> FEATURE:
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172 <220> FEATURE:
173 <221> NAME/KEY: misc_feature
174 <222> LOCATION: (1)..(53)
175 <223> OTHER INFORMATION: cloning oligo
178 <400> SEQUENCE: 7
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182 <210> SEQ ID NO: 8
183 <211> LENGTH: 53
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial
187 <220> FEATURE:
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190 <220> FEATURE:
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192 <222> LOCATION: (1)..(53)
193 <223> OTHER INFORMATION: cloning oligo
196 <400> SEQUENCE: 8
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201 <211> LENGTH: 29
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208 <220> FEATURE:
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219 <211> LENGTH: 41
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221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: cloning oligo

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227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (1)..(41)
229 <223> OTHER INFORMATION: cloning oligo
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237 <211> LENGTH: 31
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial
241 <220> FEATURE:
242 <223> OTHER INFORMATION: cloning oligo
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (1)..(31)
247 <223> OTHER INFORMATION: cloning oligo
250 <400> SEQUENCE: 11
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254 <210> SEQ ID NO: 12
255 <211> LENGTH: 34
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: cloning oligo
262 <220> FEATURE:
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264 <222> LOCATION: (1)..(34)
265 <223> OTHER INFORMATION: cloning oligo
268 <400> SEQUENCE: 12
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273 <211> LENGTH: 30
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: cloning oligo
280 <220> FEATURE:
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282 <222> LOCATION: (1)..(30)
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291 <211> LENGTH: 35
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial
295 <220> FEATURE:
296 <223> OTHER INFORMATION: cloning oligo
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Input Set : A:\394A\_US.txt

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299 &lt;221&gt; NAME/KEY: misc\_feature

300 &lt;222&gt; LOCATION: (1)..(35)

301 &lt;223&gt; OTHER INFORMATION: cloning oligo

304 &lt;400&gt; SEQUENCE: 14

305 ggtctatata agcagaacta gtttagtgaa ccgtc

35

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/733,368A

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Input Set : A:\394A\_US.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

DATE: 11/06/2002

PATENT APPLICATION: US/09/733,368A

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Input Set : A:\394A\_US.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date